CONTENTS OF VOLUME 35

Volume 35 Number 1 1989

Contents

M. SÖDERBÄCK, E. HANSSON, O. TOTTMAR and L. RÖNNBÄCK	1	Neurons in primary cultures from five defined rat brain regions—cellular composition and morphological appearance
E. SALVI and T. RENDA	17	Ontogenesis of endocrine cells in the chicken intestine: an immunohistochemical study
Y. TOHNO and S. TOHNO	27	Electron microscopic studies on chromatin loop of rat ascites hepatoma cells
F. MATEO, N. V. TORRES and E. MELÉNDEZ-HEVIA	33	Role of hexokinase in controlling the glucose metabolism flux: a study of its flux control coefficient in different tissues
J. A. VEGA, C. RODRIGUEZ, M. MEDINA, A. MARTINEZ TELLERIA, M. E. BENGOECHEA and A. PEREZ-CASAS	39	Acetyl-cholinesterase and fluoride-resistant acid phosphatase activities in dorsal root ganglia in the rat
G. BRUSCALUPI, L. DINI and A. TRENTALANCE	47	High density lipoproteins during rat liver regeneration
C. S. GONZALEZ, B. C. NORRIS, J. B. CONCHA and G. M. CONTRERAS	55	Comparative effects of catecholamines, angiotensin II and antidiuretic hormone on chloride transport in toad skin
M. NORELL and A. VON DER DECKEN	63	Effect of a diet low in methionine-cysteine on rat liver chromatin and nuclear proteins
M. MAHMOUDI, Y. MOTOO, G. R. VELA, A. P. BOLLON and K. OSTHER	75	Expression of c-*myc* and c-Ha-*ras* oncogenes in human lymphoblastoid cells (Namalva)
C. SZTALRYD, C. LEVACHER and L. PICON	81	Acceleration by triiodothyronine of adipose conversion of rat preadipocytes from two adipose localizations
J. M. FERRERAS, J. M. DIEZ, R. IGLESIAS, M. J. MERINO and T. GIRBÉS	89	Presence of translational inhibitory activity in partially purified extracts from two *Petrocoptis* species
M. MELIN, D. J. HARTMANN, H. MAGLOIRE, E. FALCOFF, C. AURIAULT and J. A. GRIMAUD	97	Human recombinant gamma-interferon stimulates proliferation and inhibits collagen and fibronectin production by human dental pulp fibroblasts
	111	Announcement

Volume 35 Number 2 1989

Contents

M. G. TOZZI-CIANCARELLI, A. D'ALFONSO, E. TOZZI, E. TROIANI-SEVI and G. DE MATTEIS	113	Fluorescence studies of the aged erythrocyte membranes
T. TABATA, Y. KINOSHITA, S. FUJII, F. HATO, T. TOYOKAWA, S. KIMURA and H. MORII	121	Protection by thymosin fraction 5 from streptozotocin-induced diabetes in mice

J. SCHWARTZ, E. GATON, D. VARON and M. WOLMAN — 129 — An attempt to prevent or delay denervation changes in rat muscles

M. AITA, A. B. MINELLA, D. PALERMO, F. GABRIELLI and A. FRANZE — 137 — Localization of thymostimulin in mammalian thymuses: comparative evaluation

C. FALUGI and G. PRESTIPINO — 147 — Localization of putative nicotinic cholinoreceptors in the early development of *Paracentrotus lividus*

A. LESCAULT, J.-L. BECKER, F. BARRE-SINOUSSI, J.-C. CHERMANN, M. BEST-BELPOMME and K. ONO — 163 — Characterization of a reverse transcriptase activity associated with retrovirus-like particles in a drosophila cell line

S. LARNO, R. BOURBOUZE, M. ADOLPHE, P. LECHAT and F. PERCHERON — 173 — Sodium butyrate-induced structural and functional modifications in proteins of cultured rabbit articular chondrocytes

I. NABIH, Z. EL-DARDIRE and A. EL-ANSARY — 181 — Selected enzymatic activities in fresh water snails, specific intermediate host for human schistosomiasis

E. BECCHETTI, R. EVANGELISTI, M. BODO, F. PEZZETTI, A. ORLACCHIO and P. CARINCI — 187 — β-*N*-Acetyl-D-glucosaminidase activity in embryonic chick skin and lung tissue and cultured fibroblasts

M. C. THIARD, M. NICOLLIER, A. MAHFOUDI, B. CORMERY and G. L. ADESSI — 199 — Protein tyrosine sulfation in guinea-pig uterus: estradiol and progesterone effects

J. VILARDELL, M. D. COLL, E. QUEROL and J. EGOZCUE — 207 — Histone electrophoretic pattern in the characterization of synaptonemal complexes

N. A. KHAN, V. QUEMENER and J.-PH. MOULINOUX — 215 — Role of protein kinase C activators and inhibitors, calmodulin antagonists and membrane sialic acids in polyamine transport in murine leukemia cells

T. MATSUBARA, S. IKEDA, K. NARAHARA, H. KIMOTO and T. ODA — 225 — Rapid methods to visualize Y-specific repeated DNA sequences in cytological preparations

M. BOURGES, P. ESTERRE, S. GUERRET and J. A. GRIMAUD — 231 — A simplified method of tissue processing for immunostaining with good preservation of antigens and morphology

A. CHAMLIAN — 239 — Book Reviews

245 — Announcement

i — Instructions to authors for preparation of camera-ready copy

Volume 35 Number 3 — 1989

Contents

L. MASTROLIA, V. P. GALLO, A. CIVININI and H. MANELLI — 247 — Acetylcholinesterase activity in the adrenal chromaffin vesicles of Urodela

W. SIEMS, H. SCHMIDT, A. WERNER, I. UERLINGS, H. DAVID and G. GERBER — 255 — Changes in the nucleotide metabolism of Ehrlich ascites tumour cells during their growth *in vivo*

G. MENGHI, G. LAI, D. PICIOTTI and F. RAVAGLIA — 263 — Effects of mammal submandibular gland glycoderivatives on human hemostatic system

K. IWAMOTO, M. TAKEISHI, K. TAKAGI, T. KUYAMA, M. YUKAWA, M. ISHIDA and T. KURAMOCHI — 271 — Cross-reactivity between human and canine helper and suppressor T cell antigens using monoclonal antibodies RPA-T4 and HuLy-m8

K. Iwamoto, M. Takeishi, K. Takagi, M. Yukawa, T. Kuyama, M. Ishida and T. Kuramochi 279 Expression of interleukin-2 receptor (IL-2R) in feline peripheral blood lymphocytes

S. Shivaji, V. Rukmini, P. D. Gupta, K. H. Scheit and P. M. Bhargava 285 Localization of bovine seminal plasma RNA-A BS1, on the surface of bovine spermatozoa

P. Kovács, Y. Banno, Y. Nozawa and G. Csaba 293 Studies into hormonal imprinting in a *Tetrahymena thermophila* mutant incapable of lysosomal enzyme secretion

E. Salvi and T. Renda 297 5-HT-like immunoreactive cells in chicken intestine: ontogenesis, morphology and topography

S. Wack and I. Haubitz 305 The distribution pattern of $NADP^+$-dependent isocitrate dehydrogenase in rat liver

J.-N. Freund, R. Heilig, N. Lehner and F. Raul 313 The gene for intestinal sucrase-isomaltase as member of a gene family

G. A. Montoya, F. Villena, A. Jofre and A. A. Pezo 325 Substance P-like immunoreactivity in sympathetic ganglion from toad

M. C. Niu, G. X. Xue, L. C. Niu and H. Z. Huang 333 Transfer of information from mRNA to chromosomes by reverse transcription in early development of goldfish eggs

Y. Momose, J. Naito and T. Nagata 347 Radioautographic study on the localization of an anti-allergic agent, Tranilast, in the rat liver

W. Meyer, M. Kretschmer and G. Harisch 357 Regional histochemical aspects of xanthine oxidase activity in ischemic and reperfused small intestine of the rat

Volume 35 Number 4 1989

Contents

S. R. de Barioglio, M. Fiol de Cuneo, J. L. Lacuara and H. Juri 367 Effects of helio-neon laser radiation upon cellular cycle in a plant model

I. Nabih, A. M. Soliman and A. Z. Abdel-Hamid 373 Studies on fresh water snails, specific intermediate hosts for schistosomiasis 1—isolation of total lipids from native and irradiated snails

F. Omodeo Salè, C. Mariani and B. Berra 379 Effect of maternal fatty acid deficiency on lipid content and composition of rat liver during prenatal development

G. Menghi, R. Curini and S. Materazzi 391 Characterization of mouse salivary glands by water content and type

M. Galdieri 399 Lonidamine effect on male rat germ cells

G. Papaccio, V. Esposito and V. Mezzogiorno 409 Multiple low dose streptozocin-treated rats: biochemical and morphological effects of Cyclosporin A administration

A. K. Willingham and J. T. Matschiner 421 The activation of factor X by hepatocyte plasma membranes

P. Andrade-Gordon, M. J. Cox, P. J. Brynes and C.-W. Wu 431 Immobilized fluorogenic substrates for proteinases: a method for visualization and quantitation of elastase release from human monocytes

M. C. Barbero, M. Garcia, A. Almena and S. F. Aliño 441 HPLC analysis of supernatant soluble factors from tumor cell variants with defined metastatic status

A. Spreca, M. G. Rambotti, C. Saccardi, R. Ferrarese, G. Pomili and A. Angelini — 449 — Ultracytochemical localization of guanylate cyclase in early human placenta

C. Chavrier and M. L. Couble — 457 — Immunohistochemical study of types I, III and IV collagen in diseased human gingiva of patients with rapidly progressive periodontitis: a light and electron microscopic study

N. Blanc-Brunat, M. Mutin and S. Peyrol — 469 — Immunohistochemical localization of type IV collagen fibronectin and laminin in the juxtaglomerular apparatus of the rat kidney

485 — Corrigendum

Volume 35 Number 5 1989

Contents

F. S. Liotti, P. Guerrieri, A. R. Menghini, R. Armellini and F. Falzetti — 487 — Antioxidant enzymes and proliferative activity of cell lines of different origin

G. Menghi, G. Lai and D. Piciotti — 495 — Heterogeneous activity of rodent and lagomorph parotid gland extracts on the hemocoagulation process

P. Ciancaglini, J. M. Pizauro, M. J. Grecchi, C. Curti and F. A. Leone — 503 — Effect of Zn(II) and Mg(II) on phosphohydrolytic activity of rat matrix-induced alkaline phosphatase

G. Csaba, P. Kovács and V. László — 511 — Discrepancy in hormone binding and information transfer between sister cells of *Tetrahymena* clones

E. Grell, E. Lewitzki, H. Ruf, E. Bamberg, G. C. R. Ellis-Davies, J. H. Kaplan and P. de Weer — 515 — Caged-Ca^{2+}: a new agent allowing liberation of free Ca^{2+} in biological systems by photolysis

K. Morioka, Y. Kinoshita, K. Tominaga, F. Hato and T. Itoh — 523 — Separation of polypeptides which induce a mitogen response of thymocytes from the culture supernatant of a thymic epithelial cell line

T. Taniyama, Y. Kinoshita, F. Hato, K. Tominaga, S. Kimura and T. Itoh — 535 — Separation of rosette formation-inducing polypeptides from the supernatant of cultures of rat thymic epithelial cell line

A. Vaisius, J. Martin-Kearley and G. L. Fletcher — 547 — Antifreeze protein gene transcription in winter flounder is not responsive to temperature

J. A. Marigomez, M. M. Vega, M. P. Cajaraville and E. Angulo — 555 — Quantitative responses of the digestive-lysosomal system of winkles to sublethal concentrations of cadmium

L. Benkoel, J. M. Gulian, M. J. Payan, R. Choux, J. Brisse and A. Chamlian — 563 — Cytochemical demonstration of glucose-6-phosphatase in human liver

T. M. A. D. Zucchi, G. A. S. Passos, Jr and F. L. de Lucca — 573 — RNA-mediated genetic transformation in *Aspergillus nidulans*

S. Kuchler, G. Herbein, L. L. Sarlieve, G. Vincendon and J.-P. Zanetta — 581 — An endogenous lectin "CSL" interacts with glycoprotein components in peripheral nervous system myelin

Volume 35 Number 6 1989

Contents

I. Nabih, A. M. Soliman and A. Z. Abdel-Hamid — 597 — Studies on fresh water snails, specific intermediate hosts for schistosomiasis—IV. Isolation of haemolymph from native and chemically pretreated snails

L. Dini, R. Vinzani and L. Conti Devirgiliis	603	Pregnancy-related changes of galactose recognition system on sinusoidal rat liver cells
U. R. Tipnis and M. K. Haddox	611	Characterization of casein kinase II from a virally transformed macrophage-like cell line, RAW264
J. A. Vega, P. Dubovy, M. E. del Valle-Soto, L. C. Hernandez, A. Perez-Casas and L. Malinovsky	627	Immunohistochemical study of Paccinian corpuscles using monoclonal antibodies for neurofilament protein, glial fibrillary acidic protein and S-100 protein
J. A. Vega, C. Rodriguez, M. Medina, M. E. del Valle-Soto and L. C. Hernandez	635	Expression of cytoskeletal proteins in glial cells of dorsal root ganglia
E. Kirazov, L. Kirazov and L. Venkov	643	Changes of soluble and membrane proteins of rat brain during pre- and postnatal development
N. Oshitani, F. Hato and Y. Kinoshita	657	Functional diversity of polypeptides in primary culture supernatant of thymus epithelial cells
M. Asashima, H. Koyama, K. Shimada and C. J. Pfeiffer	669	Temperature-induced alterations in protein composition of newt papilloma cells
K. Tominaga, Y. Kinoshita, F. Hato, A. Masuda and M. Matsuyama	679	Effects of cholinergic agonists on the proliferation and protein synthesis in a cultured thymic epithelial cell line
R. Wegmann	687	Book Reviews
	717	Announcement